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Inside TVA

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VICE PRESIDENT OF
SYSTEM PLANNING & ANALYSIS
ANDREW KOSNASKI'S

job rocks

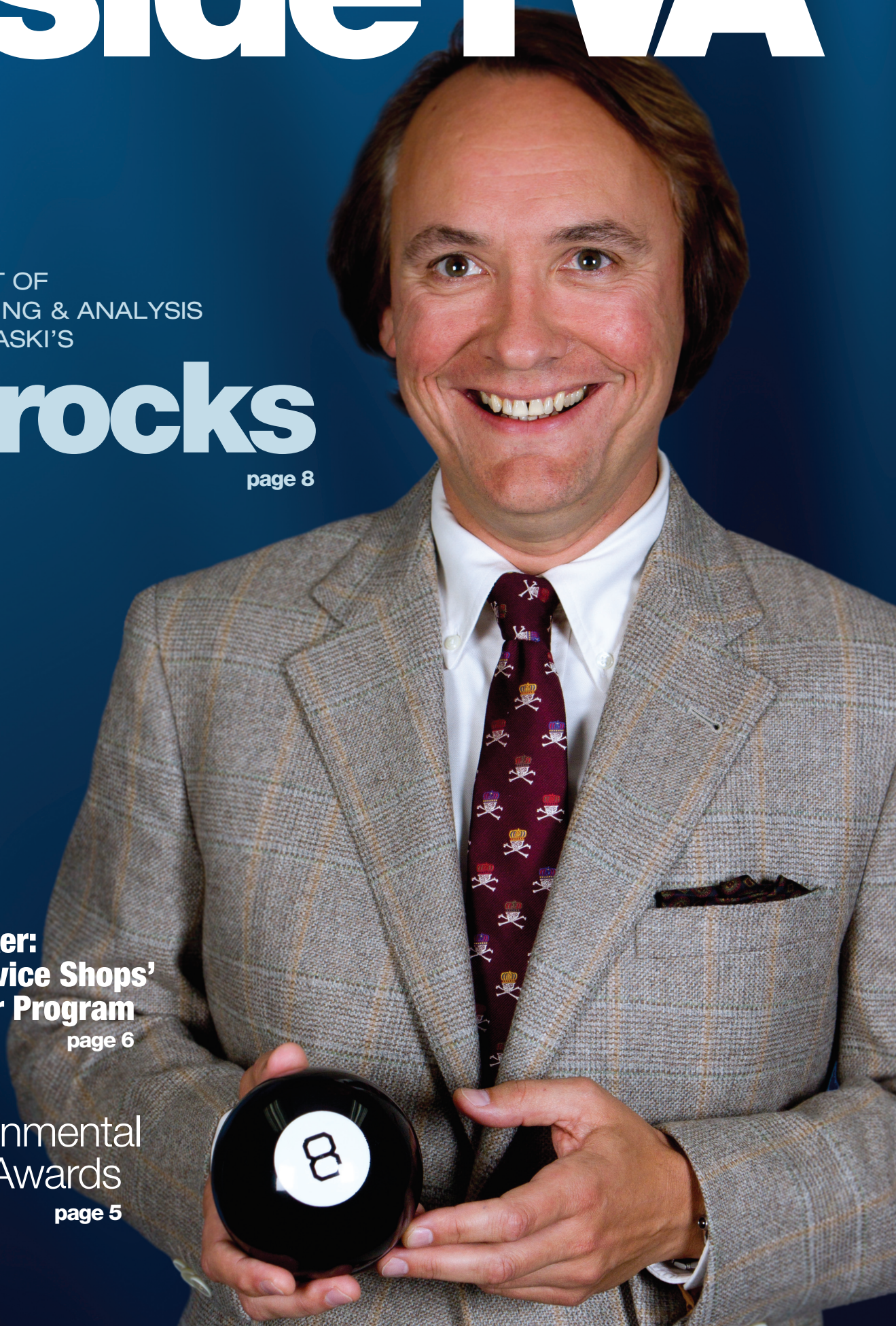
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STAFF & CONTRIBUTORS



La'Nita Jones
Editor



Duncan Mansfield
Contributor



Brooks Clark
Production Editor



Damien K. Power
Chief Photographer/
Contributor



Cletus Mitchell
Photo Editor



Jessica Stone
Contributor/
Correspondent



Jennifer Beckett
Contributor



Julie Taylor
Contributor



Mark Brown
Contributor

CORRESPONDENTS

Suggestions for articles can be sent to the following correspondents:

NUCLEAR PLANTS

Bellefonte – Susan Gentle
Browns Ferry – Amy Reagan,
Jim Nesbitt
Sequoyah – Shannon Ridinger
Watts Bar – Jim Hopson

Widows Creek – Debbie Crabtree

POWER SYSTEM OPERATIONS and SAFETY PROGRAMS

Myra Ireland

RIVER OPERATIONS

Jason Huffine

ENVIRONMENT & TECHNOLOGY

Bill Sitton

NUCLEAR GENERATION DEVELOPMENT & CONSTRUCTION

Terry Johnson

FOSSIL POWER GROUP

Jessica Stone

FOSSIL PLANTS

Allen – Josephine Moore
and Angela Simpson
Bull Run – Mary Nolan
Colbert – Sharon Johnson
Cumberland – Sandra Parchman
Gallatin – Kriste Lanius
John Sevier – Norma Cato
Johnsonville – Stefanie Moore
Kingston – Beth Jackson
Paradise – Janet Tingley
Shawnee – Debby Abell

ADDITIONAL INFORMATION

TVA is an equal-opportunity and affirmative-action employer. TVA also ensures that the benefits of programs receiving TVA financial assistance are available to all eligible persons, regardless of race, color, sex, national origin, religion, disability or age.

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Comments and suggestions are welcome. Send them to Inside TVA, SP 2B-C, 1101 Market St., Chattanooga, TN 37402, or call 423-751-2540. Retirees with mailing-address changes should call Retirement Services at 865-632-2672.

Inside TVA is available on the TVA Website at www.tva.com/insidetva.



HOT TOPICS

TVA Board Votes To Simplify Fuel Charges

The TVA board of directors voted Friday, Feb. 18, to simplify fuel charges on power bills. To do this, the board approved combining all components of fuel into a single category called the “total monthly fuel cost.”

Previously, monthly bills had fuel costs in two separate categories: the “base rate” charge, which remains the same each month, and the “fuel cost adjustment,” which changes each month to reflect fluctuations in the cost of coal, natural gas, nuclear fuel and related items.

The new category, called the “total monthly fuel cost,” will be adjusted monthly to reflect all the fuel costs. The total amount of customer bills will be the same as under the previous categorization. See page 3 to find out more about TVA's new pricing structure.

Draft Natural Resource Plan Open for Comments

Like a juggler with four balls in the air, TVA's draft Natural Resource Plan is a strategic document that, when it is finalized, will provide a framework to balance TVA's future decisions in the areas of biological and cultural resources, water resources, recreation and reservoir lands planning.

The draft Natural Resource Plan will also serve to align TVA's natural resource management and environmental stewardship with its mission. The draft evaluates a broad range of programs and different levels of implementation. For example, under the reforestation program, the plan weighs numbers of trees to be planted. Similarly, under environmental education, the plan offers options for numbers of school visits and handouts provided on different topics.

In accordance with the National Environmental Policy Act, a draft Environmental Impact Statement has also been developed to assess the impact of the alternatives in the draft Natural Resource Plan on TVA's watershed and service area.

The draft Natural Resource Plan is open for comment at TVA.com/nrp between March 7 and May 9. The draft Environmental Impact Statement is open for comment at TVA.com/eis from March 25 to May 9. Please comment and encourage others to do so as well.



ON THE COVER

COVER PHOTO – Vice President of System Planning & Analysis Andrew Kosnaski keeps track of many variables of TVA's future, and then he makes his predictions. Photo by Damien K. Power.

New pricing structure offers opportunity for energy efficiency

BY MARK BROWN

In April, TVA will begin to change the way electricity prices are structured to more closely reflect the costs of producing the power that keeps the lights on across the region.

Aimed at balancing the increasing costs of peak demand, the transition is an important early step toward the future of the electric utility industry – a future in which consumers will have more choices and greater control over how they use electricity.

TVA employees can play an important role in the transition, according to John Trawick, senior vice president of Commercial Operations & Pricing.



John Trawick

“Our employees know better than anyone the value of electricity,” Trawick says. “As we transition to rates that more closely reflect actual production costs, TVA employees can be ambassadors for energy efficiency, helping set the right example for relatives, friends and neighbors by using electricity more wisely.”

Electricity costs have remained relatively low over the years compared with other basic items. A kilowatt-hour of electricity for homeowners cost 2 cents in 1946. Today, that kilowatt-hour in the TVA service area is only about 9 cents. While the price is a little more than four times what it was back then, the average home uses more than eight times the amount of electricity it used in 1946 — going from 159 kilowatt-hours then to 1,321 kilowatt-hours in 2010.

In recent years, electricity use has risen particularly during the peak demand periods, usually cold winter mornings and hot summer afternoons. To meet demand,

TVA has to turn to more expensive power sources, which means that TVA’s cost of delivered power goes up.

Beginning in April, the amount TVA charges local power companies for electricity will reflect these high demand periods. Most local power companies are starting with prices that change with the seasons; others are choosing to pay time-of-use pricing. The impact on consumers will vary with local power companies. If consumers make no modifications to their usage, TVA estimates that consumers will see an average increase or decrease in monthly residential bills of less than \$5 from TVA’s pricing change.

The new pricing structure, approved by the board of directors in August 2010, will help guide consumers by providing “pricing signals” – with higher prices during higher demand and lower prices during lower demand – that reflect electricity’s true cost, depending on when it’s used, Trawick says.

By reducing peak demand, consumers can help lower overall generation costs and lessen the need to build expensive new power plants, helping keep power prices lower for everybody.

Simple efficiency improvements and adjusting power use to off-peak times

can make a considerable difference.

TVA offers a variety of energy-saving tips and information about online and in-home energy evaluations at www.energyright.com.

“Ultimately, consumers can control the amount of electricity they use, when they use it and, to an extent, how much it costs,” Trawick says. “The transition to the new pricing structure is a perfect opportunity for employees to take advantage of the energy efficiency tools that TVA offers and to set an example for the people around us.” ■





DAMIEN K. POWER

Employees Take the *Extreme* Food Challenge

Employees in the Chattanooga Office Complex and at Sequoyah and Watts Bar nuclear plants collected about 14 barrels of nonperishable food items to support the Extreme Food Challenge. The food-collection project was an offshoot of ABC TV's "Extreme Makeover Home Edition" program that filmed an episode in February in Chattanooga. All of the food collected at TVA and other collection sites will go to the Chattanooga Area Food Bank, which provides 55-pound boxes of food to families in need.

Preparing to deliver the food items are (l-r) Walt Hodges, Scott Murray, Chattanooga Area Food Bank's Evan Shepard, Myra Fuller, Dudley Thompson, Carolyn Creek and Curtis Dickens.

Black History Month Program features Pearl Fryar

World-renowned topiary artist Pearl Fryar told a TVA Diversity & Inclusion Black History Month program on Feb. 4 in Knoxville how gardening inspired him to believe in the possibilities of people and what they can achieve. Topiary artists trim and sculpt shrubs or trees to create ornamental shapes. Fryar discussed his experiences developing his vision as a topiary artist and ornamental gardener.

Fryar first began work on a three-acre garden in 1984 in an effort to win "Yard of the Month" from the local garden club in Bishopville, S.C. His gardening ultimately became a creative expression of his faith in human potential and hard work. The garden has been featured in many newspapers, magazines and books, as well as on websites and television programs and in an award-winning 2006 documentary film titled *A Man Named Pearl*.



DAMIEN K. POWER

Ocoee Flume Project Progresses

Repairs to the Ocoee flume are nearing completion after a rock slide April 28, 2010, destroyed an approximately 80-foot-long section. Crews have worked to rebuild the flume ahead of spring rainfall by manually assembling the wooden structure one board at a time. The flume serves as a conduit to transport water from the Ocoee No. 2 dam to the power house roughly 5 miles away. Thirty-foot-long rock bolts have been driven into the face of the cliff to help prevent future landslides.



CLETUS MITCHELL

2010 Environmental Excellence Awards

The 2010 TVA Environmental Excellence Award recipients are honored on behalf of TVA by the Environment & Technology organization for exemplary environmental performance, sharing innovative environmental accomplishments and promoting positive environmental behavior within TVA and externally.

Management Commitment



Lee Matthews, Environment & Technology's Business Operations, took the lead in developing the concept for and spearheading the first Utility Environmental Benchmarking Forum held in Chattanooga in May 2010.

Lana Bean, Nicole Berger, Paul Hopping and Colleen Montgomery (l-r below) in River Operations' River Scheduling group demonstrated extraordinary and diligent efforts to monitor, predict and manage the water temperature of the Tennessee River during the summer of 2010, one of the hottest on record.



Waste Minimization

Nuclear Power Group's **Edward May**, below left, and Financial Services' **Thomas Manthey** formed the Browns Ferry Nuclear Plant's Scaffolding Recovery Project Team and used an innovative approach to demonstrate how an environmental project can produce significant cost savings to TVA, as well as reduce the impact of TVA's operations on the environment.



Individual Proactive Environmental Stewardship



Tim Lynch, Environment & Technology's Environmental Science & Resources, took a proactive approach that led to the early identification and resolution of an environmental issue that, if unnoticed, would have put the Bellefonte nuclear site at risk of exceeding standards concerning water-discharge limits.

Team Proactive Environmental Stewardship

Cumberland Fossil Plant's Recycling Committee – 'The Green Team' is a volunteer group of employees whose efforts have increased environmental awareness within the plant, built a model recycling program that can be easily duplicated at other generating facilities, and established a sustainability model for the community.

From left to right below: **Tony Troyani, Steve Joiner, Adam Cathey, Randy Baggett, Jessi Tinin, Billy Sabin, Criscilla Tyler, Debbie Fidler, Lesley Rogers, Joe McGahey and Michelle Bullard**. Not pictured: Jeannette Bumpus, Arthur Gray, Carrie McCarty, Chad Philpott and Dena Ross.



Air Quality Improvement



The Gallatin Fossil Plant's Mercury Regulations & Reduction Project Team used an innovative approach to help position TVA as an industry leader in meeting air-emission regulations. In the top photo (l-r): **Mary Eubanks, Edward Stephens and Millicent Garland**, Environment & Technology's Technology Innovation. In the second photo (l-r): **William Hunt**, Environment & Technology's Environmental Permits & Compliance, **Michael Gray** and **Marco Barriga**, Fossil Power Group. Not pictured: Michael Murphy and Marc Word.



Lifetime Achievement Award: Jack Brellenthin, retiree, Environment & Technology



See page 9 to find out more about **Jack Brellenthin** and how he helped to reduce TVA's environmental footprint over his 30-year career at TVA.

You can find more details about all the award winners in the Feb. 1, 2011, edition of *TVA Today*.

BREAKER, BREAKER: THE **POWER** **SERVICE SHOPS'** **BREAKER-REPAIR PROGRAM**

BY JESSICA STONE



David Finn inspects breakers as they are received by the Power Service Shops.

When Don Williams joined the Power Service Shops five years ago, he recognized a great opportunity for change.

"It just didn't make sense to me," says Williams, an electrical supervisor. "TVA has thousands of breakers throughout the fleet, and we were shipping 90 percent of the work to other companies to get fixed."

Breakers – devices used to automatically break a connection to protect an electrical circuit in case of an overload or short circuit – are installed throughout TVA plants. They are critical to operations, and if one of them fails, it could be months before it can be repaired.

"TVA breakers are very old," Williams says. "Many of them are not made anymore. Parts can be difficult to find and not many shops can fix them." That means that a critical breaker could slow a plant's return to service, resulting in loss of generation.

Breaking the cycle

To address the problem, the Power Service Shops opened a breaker shop in the summer of 2010. Tucked back in a 3,600-square-foot building in Muscle Shoals, Ala., the shop has 15 skilled workers servicing about 100 breakers. The short-term goal of the program is to refurbish the breakers, which were purchased used from an outside company, and start a "drop-and-swap" program for the Fossil Power Group.

"Nuclear already has a drop-and-swap program in which it houses breakers onsite to switch out," Williams says. "So for Nuclear, we will just be doing the breaker work and sending the refurbished ones back to the sites for storage. With Fossil, we plan to eventually have hundreds of breakers stored here for use. A breaker from a plant comes in, and a replacement is sent out immediately."

In addition to saving a plant crucial outage time, Williams says the breaker program stands to save TVA hundreds of thousands of



Top, Eric Summerall (left) and Jeremy Morgan disassemble a breaker. Bottom, Kevin Brown (left) and Tim Newton review procedures.

dollars annually. “Even though Nuclear has a breaker program, it sent them offsite for repair. With the new shop in place, nearly all breakers can be repaired in house.”

Breaking Down the Breakers

Foreman Ronnie Darby says when a breaker comes to the shop, the first thing the workers do is conduct an evaluation. “Then we disassemble it and look at all the electrical and mechanical parts for wear and other issues.

“Every breaker is thoroughly cleaned to make sure the mechanical and electrical parts all function as new. After sitting in the heat of a plant for years, the lubrication gets hard, and electrical connections can corrode like car battery connections. Once it’s cleaned, the breaker’s mechanical parts receive new lubrication and the electrical contacts are replated,” Darby explains.

In the last stage, the workers reassemble the breaker and perform final performance tests. The repair process usually takes about one week, depending on the extent of the damage.

Williams says each breaker will become a “rolling asset,” with a bar code that will allow the shop to track where it goes, how often it needs preventive maintenance and other relevant information.

Darby says the shop personnel are currently trained to repair six



Top, Jeremy Morgan raises a breaker up on a hydraulic lift table. Bottom, David Finn (left) and Steve Campbell reassemble a breaker operating mechanism.

kinds of breakers, but they should be able to repair nine different types by springtime. In addition to the training, the shop plans to expand so it can store 500 breakers at a time.

“We are focused on nuclear and coal plants right now, but as we expand, we plan to incorporate the Hydro and Gas Turbine fleets into the program,” says Williams.

Power Service Shops General Manager Wayne Oliver adds, “This program was built from the ground up with a lot of hard work on the part of PSS Engineering and the current breaker shop team. It’s a huge growth opportunity for us, as well as savings for TVA.”

PHOTOS BY DAMIEN K. POWER

my job rocks

BY DUNCAN MANSFIELD

TVA employees are on the job 24/7, keeping the lights on, running the river system, managing TVA lands and supporting TVA's operations. In this column, you'll hear from TVA employees who can say, "My job rocks!"

ANDREW KOSNASKI | VICE PRESIDENT, SYSTEM PLANNING & ANALYSIS

Andrew Kosnaski's job is, quite simply, to predict the future – TVA's future.

He doesn't work with a crystal ball, tea leaves or tarot cards. He relies on hard data, analysis and, most importantly, a staff of about 20 that he considers "one of the best resource planning teams anywhere in the industry."

The 41-year-old Canadian expatriate is TVA's vice president of System Planning & Analysis. That gives him a key role in helping decide what types of power plants TVA will need, what kinds of improvements will be required in current plants, and how much fuel they will use.

"I joke that my job is as simple as running a great big linear programming model devoted to minimizing cost while still making sure that when people turn their light switches on, the lights actually come on," he says.

The reality is much more complex.

"We cover everything from the near-term, 35-day window all the way out to 2021 and beyond," Kosnaski says. "We could look 50 years ahead. The problem is, the farther out in time you get, the less confident you are about your forecasts."

And Kosnaski wants confidence. His forecasts are used in everything from the monthly fuel charges on your power bill to the Integrated Resource Plan that

will help chart TVA's course for the next 20 years.

Once Kosnaski figures out how things might go right, he considers how they might go wrong – seriously wrong. "The time to be developing solutions isn't when the walls are falling down," he explains. "It is a year before, five years before or 10 years before."

Kosnaski grew up less than 100 miles from Canada's capital city of Ottawa. He had a fleeting dream as a 12-year-old of becoming a comic book artist. He even sent a portfolio to DC Comics, which responded with a gentle rejection. He fared better in his more mature pursuits. While pursuing graduate studies in finance, Kosnaski found himself working for the Canadian Parliament, where he eventually earned the lofty title of "Senior Economic Adviser to the Leader of Her Majesty's Loyal Opposition."

In 1998, Kosnaski crossed the border to become a utility regulator at the New Hampshire Public Utilities Commission. He came to TVA in 2008 as vice president of Financial Planning.

Kosnaski says his hobbies are much like his work.

"Believe it or not, you ask me what my favorite books are and I'll tell you



DAMIEN K. POWER

they are about numerical analysis, quantitative risk and financial engineering. You know, I sound like a really fun guy. But that is the stuff I enjoy!"

Which still leaves time for the arts. Not illustrating comic books, though. He's on the board of the Arts & Cultural Alliance of Greater Knoxville. "I was asked to volunteer my time ... as treasurer," he says, smiling. "Go figure. Of course, I was happy to do it." ■



When he retired from TVA last October, Jack Brellenthin never dreamed he would be honored for his 30 years of service. In fact, he was thinking only about hunting and fishing.

When he found out he was selected to receive TVA's 2010 Lifetime Achievement Award, Brellenthin says he was "really surprised and very flattered." He later discovered that Doyle Pittman, a long-time colleague, had nominated him for the award.

"Jack spent a lifetime — 30 years at TVA — guiding the development of environmental policies and the related processes that assured TVA's regulatory compliance," says Anda Ray, senior vice president of Environment & Technology. "This distinguished award recognizes Jack's considerable contributions to TVA's success over the years."

Brellenthin joined TVA's Power Research staff to focus on environmental research in 1978 after conducting site assessments for four years as one of Carolina Power & Light's staff biologists. Before that, he worked as an environmental consultant after earning a bachelor's degree in biology from Carthage College in Kenosha, Wis., and a master's degree in biology from Tennessee Technological University.

After 10 years at TVA, he transferred briefly to the Department of Energy's Clean Coal Technology program in Morgantown, W.Va., before returning to TVA as the environmental supervisor at Browns Ferry Nuclear Plant during the construction and recovery of units 2 and 3. He says this period was the highlight of his career.

"My team built a first-class environmental compliance program," he says. "We worked really hard to improve compliance at the plant, and we achieved zero audit findings for several years."

As the senior manager of Environmental Policy and later as the program manager of Environmental Management Systems, Brellenthin helped operate TVA's Environmental Management System — a framework of processes and practices used to implement TVA's Environmental Policy. For a year and a half before he retired, Brellenthin was part of an effort to streamline these processes.

Brellenthin, who grew up in Lake Geneva, Wis., says he is now enjoying retirement. As assistant chief of the Dallas Bay Volunteer Fire Department, he stays at the top of his game, just like he did at TVA. ■

new retirees

42 Years

Johny D. Baker, Power System Operations, Nashville

38 Years

Ronald C. Pleasant, Fossil Power Group, New Johnsonville, Tenn.
Jerry W. Semore, Nuclear Power Group, Chattanooga

37 Years

Elva C. Simons, Fossil Power Group, Chattanooga

36 Years

Thomas B. Calvert, Fossil Power Group, Drakesboro, Ky.

35 Years

William L. Hunt, Environment & Technology, Gallatin, Tenn.
William C. Strickland, Fossil Power Group, Kingston, Tenn.

34 Years

Danny G. Bohlender, Nuclear Power Group, Decatur, Ala.

Thomas L. Bryan, Fossil Power Group, Tuscumbia, Ala.

33 Years

Charles L. Bowling Jr., Operating Support & Fleet Governance, Chattanooga
Walter P. Hutchins, Fossil Power Group, Rogersville, Tenn.
Michael H. Kelley, Nuclear Power Group, Spring City, Tenn.

For a list of other recent retirees, see the online *Inside TVA*.

new retirees

42 Years

Johny D. Baker, Power System Operations, Nashville, TN

O. Ann Montgomery, Information Technology, Chattanooga

Ronald C. Pleasant, Fossil Power Group, New Johnsonville, TN

Jerry W. Semore, Nuclear Power Group, Chattanooga, TN

Jimmy G. Yother, Power System Operations, Spring City, TN

37 Years

Elva C. Simons, Fossil Power Group, Chattanooga, TN

36 Years

Thomas B. Calvert, Fossil Power Group, Drakesboro, KY

Douglas C. Craven, Power System Operations, Chattanooga

Dennis L. Laugherty, Nuclear Power Group, Spring City, TN

Vicky M. Richardson, Environment & Technology, Muscle Shoals, AL

Charles W. Smart, Environment & Technology, Knoxville

35 Years

William L. Hunt, Environment & Technology, Gallatin, TN

William C. Strickland, Fossil Power Group, Kingston, TN

34 Years

Danny G. Bohlender, Nuclear Power Group, Decatur, AL

Thomas L. Bryan, Fossil Power Group, Tuscumbia, AL

Terrell M. Burkhart, Financial Services, Knoxville

Frank D. Fichera, Power System Operations, Knoxville

33 Years

Steven A. Anderson, Information Technology, Chattanooga

Charles L. Bowling, Jr., Operating Support & Fleet Governance, Chattanooga, TN

Eugene D. Buggs, Fossil Power Group, Stevenson, AL

Robert L. Casey, Fossil Power Group, Jackson, TN

Walter P. Hutchins, Fossil Power Group, Rogersville, TN

Michael H. Kelley, Nuclear Power Group, Spring City, TN

Ben S. Lawson, Jr., Nuclear Power Group, Spring City, TN

Kenneth E. Lewis II, Fossil Power Group, Rogersville, TN

John M. Massey, Fossil Power Group, Chattanooga

George T. Munson, Fossil Power Group, Chattanooga

William H. Murray, Financial Services, Chattanooga, TN

Jay O. Toepfer, Nuclear Power Group, Decatur, AL

32 Years

Stanley D. Ashe, People & Performance, Muscle Shoals, AL

Thomas R. Atchley, People & Performance, Spring City, TN

Hershell L. Butler, Jr., Nuclear Power Group, Decatur, AL

Cathy J. Christopher, People & Performance, Chattanooga, TN

Artie R. Gibson, Nuclear Power Group, Soddy-Daisy, TN

Richard W. Harris, Strategy & External Relations, Murfreesboro, TN

Philip R. Henthorne, Fossil Power Group, Tuscumbia, AL

B. David Hubbard, Power System Operations, Muscle Shoals, AL

William A. Jochym, People & Performance, Chattanooga, TN

Cathy L. McDonald, Fossil Power Group, Kingston, TN

Lonnie E. Pierpoint, Fossil Power Group, New Johnsonville, TN

John R. Reid III, Strategy & External Relations, Nashville

Jeffery S. Thompson, Nuclear Generation, Development & Construction, Spring City, TN

Milton C. Wilson, Fossil Power Group, Drakesboro, KY

31 Years

Alice F. Bell, Strategy & External Relations, Tupelo, MS

C. Michael Burns, Fossil Power Group, New Johnsonville, TN

Susan C. Campbell, Financial Services, Muscle Shoals, AL

Curtis J. Ditzer, Nuclear Power Group, Chattanooga, TN

Gregory E. Eaves, People & Performance, Chattanooga, TN

Sue E. Hutcheson, Financial Services, Soddy-Daisy, TN

Hugh M. Pinkleton, Jr., Financial Services, Chattanooga, TN

Kasandra H. Spicer, Fossil Power Group, New Johnsonville, TN

Catherine L. Taggart, Nuclear Power Group, Chattanooga, TN

Danny G. Taylor, Fossil Power Group, Cumberland City, TN

Jonathan W. Willingham, Strategy & External Relations, Huntsville, AL

Rex O. Wynn, Fossil Power Group, New Johnsonville, TN

30 Years

David L. Boggus, People & Performance, Muscle Shoals, AL

Vanvacter W. Butler, Nuclear Power Group, Decatur, AL

Jo-Ann R. Cavett, Financial Services, Chattanooga, TN

J. Larry Chandler, Fossil Power Group, Chattanooga

David H. Crockett, Jr., Nuclear Power Group, Spring City, TN

David P. Elliott, Fossil Power Group, Cumberland City, TN

Sam W. Esslinger III, River Operations, Chattanooga, TN

John J. Harenza, Strategy & External Relations, Knoxville

Billy G. Hargrove, Nuclear Power Group, Decatur, AL

Larry E. Jones, Nuclear Power Group, Decatur, AL

Charles E. Kato, Jr., Financial Services, Chattanooga, TN

Ben D. Lopez, People & Performance, Knoxville, TN

Stephen M. McKenzie, Fossil Power Group, Kingston, TN

Michael T. Mitchell, Nuclear Power Group, Decatur, AL

Rex M. Neal, Fossil Generation, Development & Construction, Chattanooga, TN

Ronald C. Ricketts, Fossil Power Group, Cumberland City, TN

James L. Sharp, Fossil Power Group, West Paducah, KY

Emory F. Thomas, Jr., Power System Operations, Chattanooga, TN

Gary S. Troutt, Fossil Power Group, New Johnsonville, TN

29 Years

Danny D. Armstead, People & Performance, Muscle Shoals, AL

Patricia J. Bayless, Information Technology, Chattanooga, TN

Robert L. Crawford, Operating Support & Fleet Governance, Chattanooga

Jimmy K. Dicus, Fossil Power Group, Stevenson, AL

Larry W. Earhart, Fossil Power Group, Cumberland City, TN

Dennis J. Grier, Fossil Power Group, Rogersville, TN

Paul B. Loiseau, Jr., Operating Support & Fleet Governance, Norris, TN

James A. Mears, Nuclear Power Group, Soddy-Daisy, TN

Elmer L. Varner, Nuclear Power Group, Soddy-Daisy, TN

28 Years

John A. Barber, Fossil Power Group, New Johnsonville, TN

Linda R. Faires, Environment & Technology, Muscle Shoals, AL

James R. Matthews, Power System Operations, Scottsboro, AL

Virgil S. Robinson, Fossil Power Group, Kingston, TN

Victoria S. Sanders, Environment & Technology, Chattanooga, TN

27 Years

Valerie J. Browning, Nuclear Power Group, Decatur, AL
Robert L. Crosslin, River Operations, Muscle Shoals, AL
Ricky L. Eakin, Nuclear Power Group, Decatur, AL
Edward A. Farmer, Information Technology, Cumberland City, TN
Randall E. Gage, Fossil Power Group, Kingston, TN
Allen W. Mansfield, Nuclear Power Group, Soddy-Daisy, TN

26 Years

Kenneth E. Clayton, Nuclear Power Group, Chattanooga
Billy J. Coakley, Fossil Power Group, Cumberland City, TN
Deborah J. Crawford, Financial Services, Spring City, TN
Markcum L. Johnson, Nuclear Power Group, Decatur, AL
Edward W. May, Nuclear Power Group, Decatur, AL
William M. Robinson, Fossil Power Group, Cumberland City, TN
Barton L. Smith, Nuclear Power Group, Soddy-Daisy, TN
Fred A. Sykes, Power System Operations, Lenoir City, TN

25 Years

Delores June Brewer, Fossil Power Group, Stevenson, AL
Terry A. Burcham, People & Performance, Counce, TN
Johnny L. Caughran, Power System Operations, Cleveland, TN
Barbara W. Garner, Nuclear Power Group, Decatur, AL
John W. Hutchins, Power System Operations, Chattanooga
Norma J. Johnson, Operating Support & Fleet Governance, Chattanooga
Donald N. Lowery, Fossil Power Group, New Johnsonville, TN
Nathan E. Pulley, Fossil Power Group, New Johnsonville, TN
Roland E. Rogers, Jr., Nuclear Power Group, Decatur, AL
Gregory D. Spurgeon, Power System Operations, Chattanooga, TN
Larry D. Thompson, Nuclear Power Group, Decatur, AL

24 Years

Stephen C. Hoskins, Fossil Power Group, Rogersville, TN
Gregory C. Jaynes, Office of Inspector General, Knoxville, TN
Douglas D. Koonce, Nuclear Power Group, Decatur, AL
Donald R. Lockhart, Fossil Power Group, Cumberland City, TN
Tracy D. Thomas, Power System Operations, Scottsboro, AL
William A. Townsend, Nuclear Power Group, Decatur, AL
Philip A. Wright, Environment & Technology, Muscle Shoals, AL

23 Years

Michael R. Beard, Fossil Power Group, Cumberland City, TN
Paul L. Bedford, Financial Services, Chattanooga, TN
Judy M. Dale, Strategy & External Relations, Knoxville, TN
Danny T. Daugherty, Nuclear Power Group, Soddy-Daisy, TN
Sharon A. Eaves, People & Performance, Chattanooga, TN
Douglas L. Hatton, Nuclear Power Group, Decatur, AL
Jeffrey A. Hightower, Operating Support & Fleet Governance, Chattanooga, TN
Glenda F. Hill, Nuclear Power Group, Soddy-Daisy, TN
Amanda C. Kilborn, Nuclear Power Group, Decatur, AL
Judith Elaine McGee, Nuclear Power Group, Soddy-Daisy, TN
Teddy L. Stoffle, Sr., Power System Operations, Dandridge, TN
Richard W. Walker, Nuclear Power Group, Decatur, AL

22 Years

Roger E. Hester, Nuclear Power Group, Decatur, AL
Dwight E. Morris, Nuclear Power Group, Soddy-Daisy, TN
Michael A. Morrow, Nuclear Power Group, Decatur, AL
David W. Westbrook, Fossil Power Group, Cumberland City, TN

21 Years

George E. Austin, Fossil Power Group, Drakesboro, KY
Robert L. Chadwick, Information Technology, Chattanooga, TN
Gary W. Curtis, Nuclear Generation Development & Construction, Chattanooga
Debbie L. O'Neal, Strategy & External Relations, Columbia, TN
Jerry E. Staggs, Nuclear Power Group, Decatur, AL
T. Marguerite Wilson, Environment & Technology, Winchester, KY

20 Years

Lenard Ashmore, Fossil Power Group, New Johnsonville, TN
William L. Bradford, Fossil Power Group, West Paducah, KY
James H. Catlett, Fossil Generation, Development & Construction, Kingston, TN
Ronald L. Childress, Nuclear Power Group, Decatur, AL
James D. Daniel, Fossil Power Group, New Johnsonville, TN
George R. Estes, River Operations, Rock Island, TN
Douglas S. Harbin, Nuclear Power Group, Decatur, AL
H. Henry Hill, Jr., Financial Services, Decatur, AL
Larry C. Houston, Fossil Power Group, Kingston, TN
Larry A. Leslie, Fossil Power Group, Memphis, TN
Donna F. Patterson, Fossil Power Group, New Johnsonville, TN

William Ronald Rankin, Power System Operations, Chattanooga, TN
Charlie Frank Tackett, Fossil Power Group, Clinton, TN
Danny J. Terry, Fossil Power Group, Muscle Shoals, AL
19 Years
Lonnie L. Anderson, Power System Operations, Oakfield, TN
Edwin M. Beaird, Fossil Power Group, Jasper, TN
Roger D. Crowder, Fossil Power Group, Gallatin, TN
David L. Grayson, Nuclear Power Group, Decatur, AL
Glenn K. Ito, Nuclear Power Group, Decatur, AL
Robert F. Marks, Nuclear Generation, Development & Construction, Decatur, AL

18 Years

James W. Brewer, Jr., Fossil Power Group, Stevenson, AL
Robert D. Hampton, Power System Operations, Winchester, TN
Glenda F. Hawkins, Power System Operations, Chattanooga, TN
Timothy Jones, Jr., Environment & Technology, Baltimore, MD
Glendon B. Oran, Fossil Power Group, Kingston, TN

17 Years

Harold R. Blaine, Fossil Power Group, West Paducah, KY
Douglas R. Foster, Nuclear Power Group, Soddy-Daisy, TN
Marvin D. Smith, Financial Services, Decatur, AL

16 Years

John R. Colgan, Nuclear Power Group, Decatur, AL
Robert L. Crabtree, Fossil Power Group, Muscle Shoals, AL

15 Years

Theron C. Dawson, Nuclear Power Group, Decatur, AL
Anthony Paul Prince, Nuclear Power Group, Spring City, TN

14 Years

Roger D. Dean, Fossil Power Group, Tupelo, MS
Lee E. Smith, River Operations, Guntersville, AL

11 Years

Sallie N. Davis, Nuclear Power Group, Spring City, TN
W. Ray Hutcheson, Power System Operations, Nashville, TN
Eric G. Skees, Power System Operations, Nashville, TN

10 Years

Sharon Ann Bonin, Nuclear Power Group, Decatur, AL
Melvin B. Dandy, Power System Operations, Chattanooga

9 Years

Robert N. Raley, Fossil Power Group, Drakesboro, KY

7 Years

Frank A. Foster, Information Technology, Nashville

Craig T. Mace, Fossil Power Group, Cumberland City, TN

Jason C. McNeal, Strategy & External Relations, Nashville

Charles B. Patton, Fossil Power Group, Drakesboro, KY

6 Years

Barry D. Hart, Environment & Technology, Paris, TN

Nicholas P. Kohut, Environment & Technology, Baltimore, MD

Paul M. Sawyer, Nuclear Power Group, Decatur, AL

5 Years

Van L. Ford, Nuclear Power Group, Soddy-Daisy, TN

Dennis Lee Urhahn, Fossil Power Group, West Paducah, KY

new hires

James William Altenberg, Chattanooga, Financial Services

Robert Paul Arnold, Chattanooga, Information Technology

Randal Duane Baldwin, New Johnsonville, Fossil Power Group

Christopher David Bennett, Chattanooga, Nuclear Generation, Development & Construction

Michael Edmund Bennis, Spring City, Nuclear Power Group

Allan Flores Bieda, Cumberland City, Fossil Power Group

Leslie Anita Birdsong, Decatur, Nuclear Power Group

Jeffrey Lloyd Bowman, Decatur, Financial Services

William Lloyd Bullivant, Hollywood, Financial Services

Evan Nicholas Burton, Memphis, Fossil Power Group

Darron Henry Carter, Decatur, Nuclear Power Group

Morgan Blair Childs, Chattanooga, People & Performance

Michael Allen Collins, Chattanooga, Power System Operations

Joshua Glenn Collins, Knoxville, Financial Services

Joni Thompson Cook, Soddy-Daisy, Financial Services

Roxana I. Correa, Chattanooga, Financial Services

William Eugene Denney, Cumberland City, Fossil Power Group

Robert Harold Douglas, Cumberland City, Fossil Power Group

Joshua Clemente Echegaray, Stevenson, Fossil Power Group

Oscar L. Echols, Memphis, Fossil Power Group

Lawrence Joseph Ellgass, Chattanooga, Nuclear Power Group

Timothy L. Fickey, Chattanooga, Financial Services

Kristina Elaine Goodlet, Chattanooga, People & Performance

Robert J. Haile, Spring City, Nuclear Power Group

Cynthia Dianne Haynes, Spring City, Nuclear Power Group

Kara L. Howard, Chattanooga, Fossil Power Group

Jonathan D. Jackson, Chattanooga, Operating Support & Fleet Governance

Richard Troy Jenkins, Memphis, Fossil Power Group

Amanda D. Johns, Soddy-Daisy, People & Performance

Kathy W. Johns, Chattanooga, People & Performance

Kristopher James Johnson, Chattanooga, Fossil Generation, Development & Construction

Corey S. Jones, Cumberland City, Fossil Power Group

David Wesley Jones, Knoxville, Office of Inspector General

Misty Ann Kamin, Chattanooga, Fossil Power Group

Brian K. Lacks, Muscle Shoals, Power System Operations

Griffin Russell Lifsey, Chattanooga, Fossil Generation, Development & Construction

Cortney Lamar McKibben, Nashville, Strategy & External Relations

Jeremiah Dan McMichen, Chattanooga, Power System Operations

Martha Barron Meneses, Decatur, Nuclear Power Group

Carl Iora Merchant, Chattanooga, Information Technology

Daniel Trey Mitchell, Cumberland City, Fossil Power Group

Janna Leigh Moore, Chattanooga, Financial Services

Erin L. Moss, Chattanooga, Operating Support & Fleet Governance

James A. Mott, Memphis, Fossil Power Group

Scott Eugene Myers, Kingsport, Power System Operations

Leonel Enrique Nava, Chattanooga, Nuclear Power Group

Jeffrey L. Pearson, Millington, Fossil Power Group

Troy Ryan Pederson, Spring City, Nuclear Power Group

Lauren Anderson Pemberton, Chattanooga, Strategy & External Relations

Jina Hwang Picarella, Chattanooga, People & Performance

Brian Andrew Rauch, Knoxville, Financial Services

Peter Mamdouh Riad, Chattanooga, Nuclear Generation, Development & Construction

Nancy Michelle Roach, Chattanooga, People & Performance

Frank G. Rodriguez, Chattanooga, Fossil Power Group

Paul B Scheid, Knoxville, Financial Services

Scott Bradley Seal, Chattanooga, Nuclear Power Group

Reva J. Smith, Chattanooga, Nuclear Power Group

Ronnie W. Stewart, Cumberland City, Fossil Power Group

Kelly David Stinson, Spring City, Nuclear Generation, Development & Construction

Danny Ray Swain, Chattanooga, Power System Operations

Justin D. Thomas, Chattanooga, Operating Support & Fleet Governance

Vicki Raye Tweed, Knoxville, Financial Services

Thomas M. Walker, Grand Rivers, Power System Operations

Jamie Roger Weiss, Spring City, Nuclear Power Group

Jonathan Michael West, Decatur, Financial Services

Joshua Adam Wheat, Decatur, Nuclear Power Group

Donald Ray White, Big Sandy, Power System Operations

James Larry Winters, Chattanooga, River Operations

Making Healthy Eating Choices Just Became a Little Easier

Chances are, when you walk down the aisles of your local grocery store, you may feel confused by shelves of products claiming to be the best healthy food choice.

Help is now a mouse click away. ActiveHealth and the NuVal Nutritional Scoring System have partnered to make it easier for you to make healthy eating choices with new online tools. ActiveHealth administers several programs for TVA as part of the TVA Medical Plan.

The NuVal Nutritional Scoring System labels foods on a scale of 1 to 100. More than 75,000 items have been researched and scored by taking into account more than 30 nutrients and nutrition factors. The scoring process ends in a very easy-to-understand result: a single NuVal score for each food. It's simple: The higher the score, the higher the food's overall nutrition.



NuVal's nutrition database of scored foods is available to ActiveHealth members through the ActiveHealth website. If you are enrolled in a TVA medical plan, you have access to the tool at www.myactivehealth.com/tva. Once logged in, just click **I want to ... Access NuVal Scoring System** from the menu on the left side of the page. Compare scores within a food category, such as cereals, or across categories, such as beef burgers to veggie burgers, then create your own personalized shopping list and meal plan.

Linda Ber, a registered dietitian with ActiveHealth, explains how a NuVal score can enhance your daily meal planning.

"The score evaluates the good (i.e., protein, calcium, vitamins and minerals) and the not so good (i.e., sugar, sodium and fats) into a simple, easy-to-use and comparable number," says Ber. "If your goal is to eat healthier, challenge yourself to trade-up and find higher scored items than you currently use. For instance, try replacing cereals and breads you may currently eat with higher scored selections."

Among the many benefits they provide, eating right and getting a well-balanced diet can ...

- Strengthen your immune system.
- Provide energy.
- Support healthy growth.
- Improve brain functioning.
- Reduce risk of cancers such as colon, pancreatic, bladder and kidney.

The NuVal scoring system also can be found at more than 850 supermarkets across the country. Participating stores display the scores on shelf price tags, scale labels and other in-store signage featuring the trademark blue hexagon design. For more information, visit www.NuVal.com.

Retirees enrolled in the Medicare Supplement Plan do not have access to the ActiveHealth website. ■



Safety & Engineering Intern Rebecca Palmer looks for the NuVal score when she chooses between food items. Go to www.myactivehealth.com/tva to get the NuVal score for these and other items.

DAMIAN K. POWER

Applause!

Nuclear Professionals of the Year

TVA's Nuclear Power Group honored six employees as the 2010 Nuclear Radiation Protection/Radwaste/Chemistry and Nuclear Maintenance Professionals of the Year. The recognition programs are peer-led efforts to recognize employees who demonstrate professional values and work standards in their specific areas. Each TVA nuclear site recognizes Radiation Protection/Radwaste/Chemistry and Maintenance professionals each quarter. Six overall annual winners for the fleet are chosen from the quarterly winners.

TVA Senior Vice President of Nuclear Operations Don Jernigan says, "This group helps make our nuclear plants what they are today — sources of safe, reliable and low-cost energy."

The six winners are as follows:

RADIATION PROTECTION/RADWASTE/CHEMISTRY



Timothy Cook
HEALTH PHYSICS
WATTS BAR NUCLEAR PLANT



Charles Creamer
HEALTH PHYSICS
BROWNS FERRY NUCLEAR PLANT



John Wikle
HEALTH PHYSICS
SEQUOYAH NUCLEAR PLANT

MAINTENANCE



Michael Hawn
SENIOR INSTRUMENT MECHANIC
SEQUOYAH NUCLEAR PLANT



James Howard
ELECTRICIAN
BROWNS FERRY NUCLEAR PLANT



Gordon Ritchie
ELECTRICAL FOREMAN
WATTS BAR NUCLEAR PLANT



Vice President of Electric System Projects **Clayton Clem** was named an Engineer of Distinction by the Tennessee Technological University in Cookeville, Tenn. The university uses the award to recognize alumni and others whose careers have contributed to or reflects positively on the college of engineering. The university's College of Engineering Dean David Huddleston says, "Clem has an outstanding professional record and represents an engineer who successfully merges technical skills with leadership skills." Clem accepted his award in February during the university's annual Engineering Week.



Raymond West, a program manager for Nuclear Power Group Engineering Programs, received the 2010 Dedicated Service Award from the American Society of Mechanical Engineers. West is a program manager for the organization's codes in TVA's Nuclear Power Group and has served as vice chairman of its Board on Nuclear Codes & Standards.

NEW EMPLOYEE

TERRY CHEEK

Water Program Specialist, Environment & Technology



DAMIEN K. POWER

Not many people are as lucky as Terry Cheek when it comes to being able to turn their hobby into a career.

After graduating from Bradley County High School in Cleveland, Tenn., Cheek worked as a creel clerk for the Tennessee Wildlife Resources Agency. In that position, he counted anglers and the hours they spent on the Hiwassee River, then weighed and measured their catches.

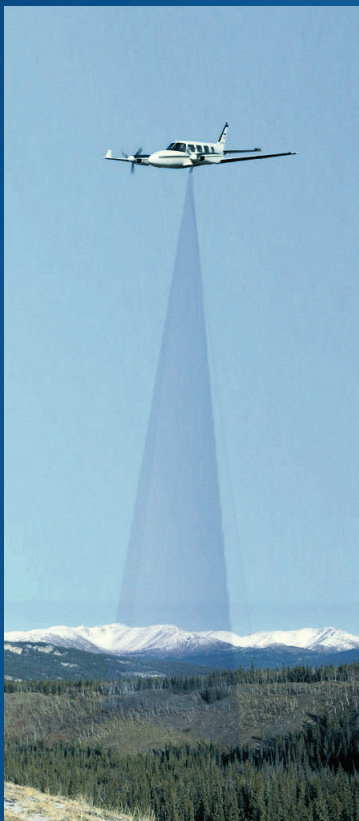
Cheek enjoyed the experience so much that he earned a bachelor's degree in wildlife management and a master's degree in biology with an emphasis on fisheries from Tennessee Technological University. As a graduate student, he tracked the movements of striped bass in Watts Bar Reservoir.

Over the years, he has worked as a fisheries biologist in Tennessee, West Virginia and Florida and, most recently, as a consultant for Geosyntec, where he advised utilities on new and developing water regulations.

As a water program specialist for Environment & Technology, Cheek says he will continue to research these regulations.

"I am excited about returning to the Tennessee Valley region and playing a role in preserving the waterways where my passion for fish originated," says Cheek, who came to TVA in January. "It is also exciting to be at TVA, where water quality is a key component of the mission and the quality of life in the region."

For a list of employees hired in February, see the online edition of *Inside TVA*.



Annual Aerial Spring Photo Coverage Takes Flight

TVA's Geographic Information & Engineering organization has started its spring 2011 aerial acquisition of photographs and other imagery within the TVA service area. Geographic Information & Engineering typically arranges these aerial imagery flights a couple of times a year when the sun angle is best and the leaves are still off the trees.

In addition to standard vertical and oblique aerial photography, Geographic Information & Engineering can obtain Lidar data for detailed mapping of a wide range of projects. (Lidar stands for "light detection and ranging." It is an optical remote sensing technology that measures properties of scattered light to find range and/or other information of a distant

target.) This is helpful in standard ground mapping, volume calculations, vegetation height and as-built design data.

Geographic Information & Engineering also has the ability to provide thermal-imaging information, time-sensitive video and other types of airborne imagery data.

Need a photo or more?

Organizations or employees needing aerial photography, Lidar or other remotely sensed data should contact Raymond Mitchell (423-751-6404) or Eddie Rogers (423-751-2342). More details are available in the Feb. 7, 2011, edition of *TVA Today*.